

TVJD 082325074



June 25, 2004

Mr. Frank Faranca
Case Manager, Bureau of Publicly Funded Site Remediation
New Jersey Department of Environmental Protection
401 E. State Street P.O. Box 028
5th Floor West
Trenton NJ 08625-0028

RE: NJPDES-DGW Permit 0086487 Effective March 1, 2000

Dear Mr. Faranca:

Two copies of the Discharge to Groundwater Report consisting of one (1) T-VWX-014, seven (7) VWX-015 Groundwater Analysis – Monitoring Well reports and report Sections 1.0 through 8.0 for the April through June 2004 quarter are enclosed.

Detection Monitoring was performed in accordance with Part 4-DGW Table 2, using the Ground Water Sampling and Analysis Plan approved in April 1996.

Lenox inspection logs were reviewed and a summary of the logs for the quarter is enclosed.

The "Mann-Whitney U-Test" statistical analysis of the ground water TCE results from the five (5) sentinel wells over eight (8) sampling quarters was rolled forward eighteen (18) quarters to cover the April 2004 data and is included in section 7 of the report. The null-hypothesis is accepted for sentinel wells MW-75, MW-76, MW-78 and MW-79A and we cannot statistically conclude that the TCE concentrations are decreasing for the eighteenth (18th) quarter's data set. The null-hypothesis is **not accepted** for sentinel well. MW-77 and we can statistically conclude that the TCE concentration is decreasing for the past eight quarters' data set. In addition, MW-75 has been non-detect for the past nineteen (19) consecutive quarters.

The **bold** data in the tables denotes elevated results, which exceed the site-specific GWQC's for lead (10ug/l) and zinc (36.7 ug/l) as determined by calculating their arithmetic means from data reported in a 3-year study. Trichloroethylene levels are compared to the New Jersey limit of 1.0 ppb. Please note:

- MW-3 and MW-4 showed elevated levels of both total and dissolved lead, while MW-72 and MW-73 showed elevated levels of total lead but not dissolved lead.
- MW-3, MW-4, MW-15, MW-17, MW-23, MW-25, B-31, and MW-74 showed elevated levels of both total and dissolved zinc, while MW-73 showed an elevated level of dissolved zinc but not total zinc ;

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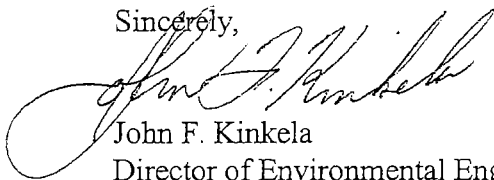
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- Of the twenty-two (22) wells sampled for TCE this quarter, ten (10), were higher than the last time they were sampled: MW-10, MW-12D, MW-23, MW-25, B-32, B-54, MW-59, MW-71, MW-76 and MW-81. Eight (8) wells decreased: MW-12S, MW-15, B-31, MW-53, MW-66, MW-77, MW-78, and MW-79A. Four (4) wells: MW-1, MW-13, MW-80 and MW-75 remained essentially the same;
- TCE was elevated in three (3) of the five (5) downgradient sentinel wells, MW-77, MW-78 and MW-79A at 1.3, 1.2 and 5.2 ug/L- respectively. All three (3) of these sentinel wells decreased;
- The volatile organic compound cis-1, 2-dichloroethene was detected in five (5) wells: MW-10, MW-12D, B-54, MW-77 and MW-79A. Trans-1,2-dichloroethene was detected in MW-79A. TCE daughter species were not detected in any other wells;
- The Monthly Daily Average Flows for the quarter were 357,861-gallons per day for March, 357,163-gallons per day for April and 367,584 gallons per day for May 2004;
- GAC Treatment System influent and effluent, filtered water samples contained elevated zinc at 254-ug/L and 343-ug/L respectively. The filtered influent and effluent water samples contained elevated zinc at 81-ug/L and 263-ug/L - respectively. The zinc is attributed to the higher zinc levels previously observed in B-31 and other wells;
- The No TCE daughter compounds were detected in the GAC Treatment System influent, mid or effluent water samples;
- Lead was detected, at less than elevated levels, in the GAC Treatment System, unfiltered, influent, mid and effluent water samples and the filtered effluent sample;
- TCE was detected below the New Jersey MCL of 1.0 ug/l in only one (1) of the three (3) residential, downgradient wells sampled.

Please call (609) 965-8272 if there are any questions.

Sincerely,



John F. Kinkela

Director of Environmental Engineering

Enclosures -Pomona DGW and TCE Quarterly Groundwater Monitoring Report – April 2004
Monitoring Round
-Summary of Inspection Logs – April through May 2004 Quarter

bcc: J.H. Ennis (w/attachments)
L.A. Fantin, Lenox (w/attachments)
~~Andrew Park (w/attachments)~~
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